Congratulations on your purchase of a VDO Cycle Computer. To enjoy the full potential of your computer and benefit from all the technical features, we recommend you thoroughly study this manual. You will find crucial hints for its operation as well as many more tips.
We wish you many enjoyable rides and trips on your bike with your VDO cycle computer.
Please check the packaging before starting the installation to ensure the contents are complete.

☞ Contents

1. Button Function

RIGHT BUTTON (**MODE-Button**) — In Cycling Mode: Use this button to progress through the ODO, TRP, CLK screens.
In SET-Mode: Use this key to adjust values within the Set-up screen

☞ P01

LEFT BUTTON (**SET-Button**) — Use this button to access the set-up screens for Wheelsize, Clock and Odometer.
In SET-Mode: Selection of digit to be changed

2. Computer-Functions

ACTUAL SPEED (**KMH/MPH**) ..... Actual Speed is permanently shown on the display, up to 120 KMH (75 MPH) with an accuracy of 0.1 digits.

TRIP DISTANCE (**TRP**) ..... Shows Trip Distance of actual ride, up to 999. 99 KM or M. At overflow of 999.99 counting re-starts at 000.00.
(**TRP** = TRIP)

CLOCK (**CLK**) ..... Shows actual time in 24-hour-format.

TOTAL DISTANCE ODOMETER (**ODO**) ..... Shows accumulated Total Trip Distance data of all individual trips. Counts up to 99999 KM or M. Value is re-settable after change of battery.

SLEEP MODE ..... To prolong battery life, the A4+ will automatically enter „sleep" mode after 3 minutes of non-use. Only the Clock is shown.The wireless receiver of A4+ will stay ON for another 3 hours to allow Auto-Start/Stop. In case of non-use, the receiver will be switched OFF.
This is indicated by a flashing "CLK". To re-start the computer press any button In continued non-use, the receiver is switched OFF latest at midnight 24:00.
The computer will restart when any button is pressed.

3. Reset of computer

3.1 RESET OF ACTUAL TRIP DATA
To Reset actual trip data TRP press SET plus MODE-button simultaneously for 3 sec.
3.2 RESET OF COMPUTER TO FACTORY-SETTINGS
To Reset the computer to default factory settings, use a pencil and press the "AC"-button on underside of the computer.
ATTENTION: This action will delete all your data and all your settings for wheelsize, clock, odometer will be reset to factory settings.

☞ P02

4. Mounting and Settings

4.1 INSTALLATION OF BATTERY IN COMPUTER
To prolong battery life, the A4+ will come without the battery being installed. The VDO A4+ needs a battery 3V-Type CR 2032. Batteries are available at your dealer (VDO-part no.#1013). Battery life time is around 12 months at normal use.
Watch Out: In case of malfunction please check the battery first before you start a warranty complaint.

STEP 1 Remove the battery door with a suitable coin

☞ P03

STEP 2 Place the battery in the battery chamber. PLUS+-pole visible. Be careful when installing the battery not to damage the battery contact.
STEP 3 3 Reinstall the battery cap, making sure that the rubber O-ring does not get pinched or distorted. WATCH OUT: If O-ring gets pinched or distorted, this will compromise the unit's watertight seal.
STEP 4 Tighten the battery door firmly with a suitable coin.
IMPORTANT: During battery replacement all data and all settings will be stored for around 20 Seconds. To save your data, replace the battery within that 20 seconds, otherwise all settings for Wheelsize, Clock and Odometer need to be re-done.
Tip: Buy replacement battery in time. To save your data and settings replace the battery in time. Before replacing the battery we recommend to take note of your Wheelsize Setting and Odometer-data.

Watch Out: If for some reason the screen is blank or shows an irregular display after a battery change, press the AC button on the backside of the computer. This action will delete all data and all settings and requires new settings of Wheelsize, Clock and Odometer.

☞ P02

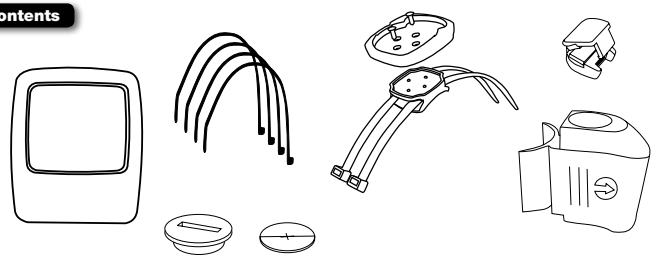
4.2 INSTALLATION OF BATTERY IN TRANSMITTER
The VDO A4+ transmitter needs a battery 12V-Type LR 23. Batteries are available at your dealer (VDO-part no.#1014).
Battery life time is around 12 months at normal use.

STEP 1 Remove the battery door of transmitter with a suitable coin.

☞ P04

STEP 2 Place the battery in the battery chamber. PLUS+-pole visible.
Be careful when installing the battery not to damage the battery contact.
STEP 3 Reinstall the battery cap. Watch Out: If O-ring gets pinched or distorted this will compromise the unit's watertight seal.
STEP 4 Tighten the battery door firmly with a suitable coin.

☞ Contents



*Watch out: old batteries require special disposal

Please read instructions for end-off-life disposal treatment

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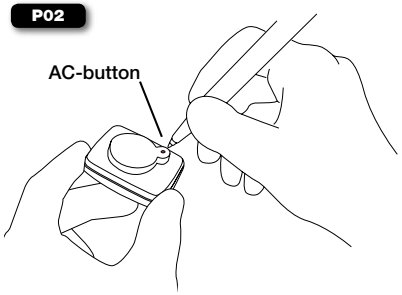

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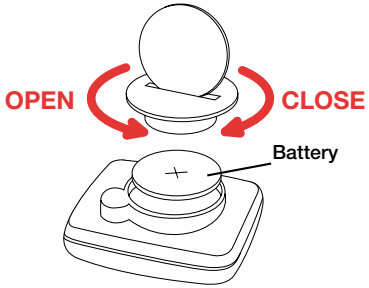

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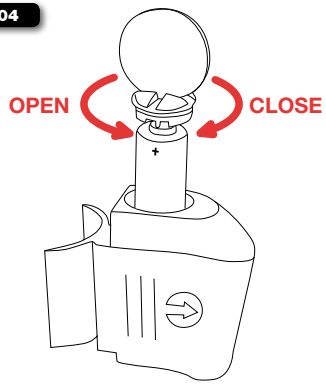


5. Programming of computer

To show Speed and calculate Trip Distance and the other data, your VDO A4+ needs the precise wheelsize = wheel circumference (in mm or inch) of your bike.

5.1 HOW TO DETERMINE YOUR WHEELSIZE:

The wheelsize setting can be done with an accuracy of 1 mm or 0.1 inch.
The table below shows the most common tire sizes and the related wheelsize-data in mm and inch.
This data not necessarily corresponds with the correct data of your bike.

Tire size		WS in mm KMH	WS in inch MPH
47-305	16x1,75	1272	50,1
47-406	20x1,75	1590	62,6
34-540	24x1 3/8	1948	76,7
47-507	24x1,75	1907	75,1
23-571	26x1	1973	77,7
40-559	26x1,5	2026	79,8
44-559	26x1,6	2051	80,7
47-559	26x1,75	2055	80,9
50-559	26x1,9	2060	81,1
n/a	26 x 1,95	2070	81,5
54-559	26x2,00	2075	81,7
n/a	26 x 2,1	2080	81,9
57-559	26x2,125	2133	84,0
37-590	26x1 3/8	2105	82,9

Tire size		WS in mm KMH	WS in inch MPH
20-571	26x3/4	1954	76,9
32-630	27x1 1/4	2199	86,6
40-622	28x1,5	2224	87,6
47-622	28x1,75	2268	89,3
40-635	28x1 1/2	2265	89,2
37-622	28x1 3/8	2205	86,8
18-622	700x18C	2102	82,8
20-622	700x20C	2114	83,2
23-622	700x23C	2133	84,0
25-622	700x25C	2146	84,5
28-622	700x28C	2149	84,6
32-622	700x32C	2174	85,6
37-622	700x37C	2205	86,8
40-622	700x40C	2224	87,6

MINIMUM WS: 100 mm / 3,94“
MAXIMUM WS: 3999 mm / 157,44“

☞ P05

If your Tyre Size is not shown in the Table, you can find your correct wheelsize as explained below:

STEP 1 Stand your bicycle upright. With your tyre inflated to its proper pressure, rotate your front wheel so that the valve is located at the bottom (6 o'clock position). Make a mark on the floor to indicate the valve location.

STEP 2 Roll the bicycle forward in a straight line for one complete wheel revolution, until the valve is again at the bottom. Make a mark on the floor to indicate this valve location.

STEP 3 Measure the distance between the marks in millimetres or inches (1 inch = 25.4mm). This value is your wheel size = wheel circumference.

5.2 SELECTION OF KMH OR MPH-READING

The VDO A4+ can show speed and all related data either in **km** or **m**. You can switch at any time from **km** to **m**-reading and vice versa. All data TRP, AVS, MXS, ODO will automatically be re-calculated.

STEP 1 Get TRP in display, press and hold SET-button for 3 sec.

☞ P06

STEP 2 **km** or **m** are flashing. Use MODE-button to select **km** or **m**-reading.

STEP 3 Press SET-button to confirm above selection. The A4+ will now show the set-mode for the wheelsize = wheel circumference.

5.3 PROGRAMMING THE WHEELSIZE

After pressing SET-button to confirm **km** or **m** selection, the A4+ will now show the set-mode for the wheelsize = wheel circumference.
Factory settings for wheelsize are 2155 mm for **km**-reading and 84, 8 inch for **m**-reading.
Attention: For **km**-reading the wheelsize needs to be set in mm, for **m**-reading the wheelsize needs to be set in inches.

STEP 1 Change the flashing wheelsize-digit to requested value by pressing the MODE-button.

☞ P07

STEP 2 Press SET-button to confirm this setting and move to next digit.

STEP 3 Repeat Step 1 and Step 2 until all digits have been set to your wheelsize.

STEP 4 Press and Hold SET-button for 3 sec. to finish Wheelsize-Setting and return to TRP-display.

5.4 CLOCK SETTING

Your VDO A4+ shows actual time in 24:00 (hh:mm) format.

STEP 1 Get CLK into display. Press and Hold SET-button for 3 sec. The Clock SET-Mode will be shown in display.

☞ P08

STEP 2 Use the MODE-button to change the flashing hour-digits. Hold MODE-button for fast setting.
Confirm your settings by pressing the SET-button. This confirmation will also change to Minute-setting.

STEP 3 Use the MODE-button to change the flashing Minute- digits. Hold MODE-button for fast setting.

STEP 4 Press and hold SET-button for 3 sec. to finish Clock-Setting and return to CLK-display.

5.5 PROGRAMMING OF ODOMETER

The total distance counter ODO can be programmed anytime, for example after a change of battery or to enter the ODO data of your old computer into your new A4+.

STEP 1 Get ODO into display, press and Hold SET-button for 3 sec. The ODO-Set-Mode will be shown in display.

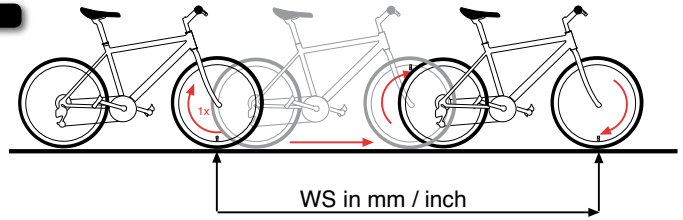
☞ P09

STEP 2 Press MODE-button to change the flashing digit to requested value.
Confirm this setting by pressing the SET-button and simultaneously change to next digit (flashing).

STEP 3 Repeat STEP 1 and STEP 2 until all digits have been set to requested value.

STEP 4 Press and Hold SET-button for 3 sec. to finish ODO-setting and return to ODO-display.

P05



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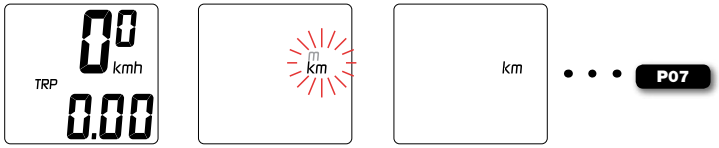

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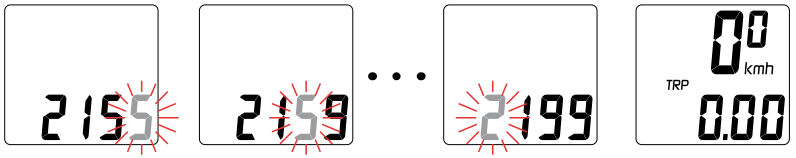

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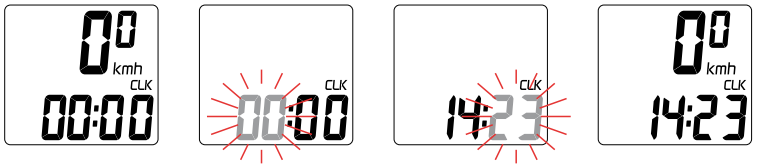

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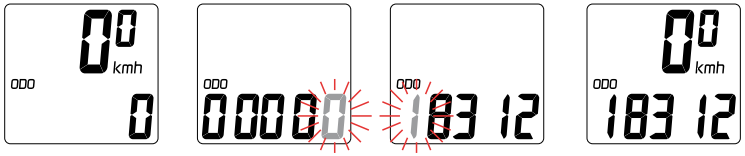


6. Mounting

6.1 MOUNTING OF MAGNET AND TRANSMITTER

Important! Watch Out when mounting!

The distance between Transmitter and magnet should be 1 to 3 mm.
The distance between Transmitter and Computer should not be larger than 75 cm (30").
Tip: With Linear Pull/Cantilever-Brakes do not mount the transmitter too close to the brakes.
Distance to the brake should be 10 cm (4").

STEP 1 Loosely mount Transmitter on the front fork using the zip ties, so that you can still make final adjustments. Mounting on right or left side of the fork is possible.On the right-side mounting, the battery door of the transmitter will point downwards, so that the Sensor-marking on the transmitter will point towards the magnet in the spokes. ☞ P10

STEP 2 Loosely mount the magnet at the spoke, so that you still can do final adjustments.
The magnet must point towards the sensor-marking on the Transmitter.

STEP 3 Make final adjustments of the magnet towards the Sensor-marking, ensure the distance between the magnet and the sensor marking is 1 to 3 mm. To get that distance also adjust the Transmitter towards the magnet.

STEP 4 To finally fix the Transmitter. Pull zip-ties tight. Cut off remaining zip-tie-parts.

STEP 5 To finally fix the magnet. Press the magnet-shell until the magnet is securely fixed at the spoke.

6.2 MOUNTING OF BRACKET

STEP 1 Decide if you want to mount the bracket on handlebar or on stem. ☞ P11

STEP 2 Depending on your decision you may need to turn the foot of the bracket by 90 °.
Remove the 2 screws, turn the foot of the bracket to adjust for either handlebar or stem-mounting.

STEP 3 Fix the foot of the bracket with the 2 screws. Do not overstress the screws.

STEP 4 Fix the bracket to either the handlebar or the stem by using 2 zip-ties.
Cut off the remaining zip-tie-parts.

6.3 HEAD UNIT INSTALLATION

Place the computer into the bracket (10-o'clock-position) and turn clockwise until you feel a click and have reached 12 o'clock position.
Watch Out: Make sure the computer is properly placed into the bracket and is turned clockwise until you feel the "Click". ☞ P12
To remove the computer off the bracket, twist the head counter-clockwise and then lift it out of the bracket.

7. Test of Function

After installation, please check function of your VDO A4+.
Lift the front wheel of your bike. Turn the front wheel. Within 2 to 4 seconds a speed reading should be in display of your VDO A4+.
Otherwise re-check the magnet position and the distance of the magnet towards the Sensor-marking. Re-adjust the position and distance and check again.Re-check the distance between Transmitter and Computer. This distance should be no larger than 75 cm (30"). Should the distance be larger, you need to move the transmitter upwards on the fork and re-mount in a closer position towards the Computer.
We wish you many enjoyable rides and trips on your bike with your VDO A4+ cycle computer.
In case of any technical problems contact your dealer.

8. Warranty disclaimer

VDO Cycle Parts warrants your VDO-Computer for 5 years from date of purchase. This warranty covers defects in material and workmanship. Defects on cables, senders, transmitters and mounting materials resulting from normal wear and tear, improper care, accidents, abuse or alteration are not covered by our warranty. Opening the computer housing (except for the battery door) is considered abuse, thus not covered by our 5 year warranty.

Please keep your sales receipt to prove that your computer is covered under the warranty in case of legitimate complaints.

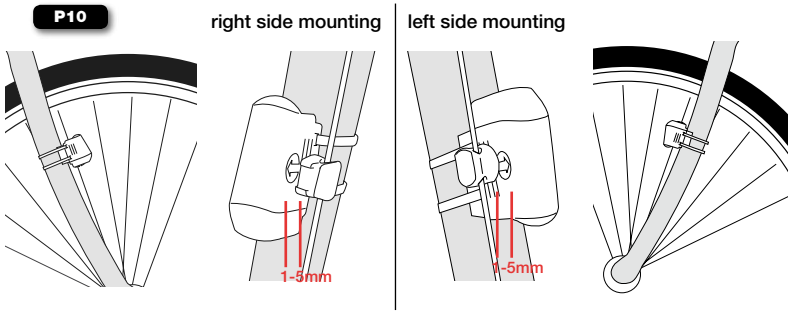
In case of legitimate complaints you are entitled to have your computer either repaired or replaced with a comparable model. Due t possible model changes, your model might have been discontinued.
In the event that you should have a complaint, please first contact the retailer where you purchased your VDO computer. If the retailer is unable to help, you can return your computer to:

Cycle Parts GmbH, Große Ahlmühle 33, D-76865 Rohrbach.

In case of technical queries, please contact our customer-service-hotline: +49-6349-9635-10.
Further technical information is available on our website: http://www.vdocyclecomputing.com
Technical specifications of our computers are subject to change without notice.

Instructions for end-of-life disposal treatment
This product complies with EU Directive 2002/96/EC. The symbol * on the product or on its packaging indicates that this product may not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

P10



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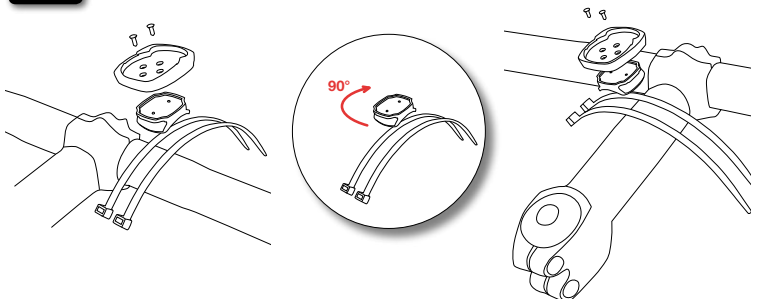

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